

## Qualification details

<b>Qualification number/Te nama o te tohu mātauranga</b>	3730		
<b>English title/Taitara Ingarihi</b>	New Zealand Certificate in Cranes (Level 3) with strands in, Dogman, Pendant or remote controlled overhead / Gantry Crane, Self-Erecting Tower Crane, and Truck Loader Crane		
<b>Māori title/Taitara Māori</b>			
<b>Version number/Te putanga</b>	3	<b>Qualification type/Te momo tohu</b>	Certificate
<b>Level/Te kaupae</b>	3	<b>Credits/Ngā whiwhinga</b>	40 – 45
<b>NZSCED/Whakaraupapa</b>	030717 Engineering and Related Technologies>Mechanical and Industrial Engineering and Technology>Plant and Machine Operations		
<b>Qualification developer/Te kaihanganga tohu</b>	Waihanga Ara Rau Construction and Infrastructure Workforce Development Council		
<b>Review Date /Te rā arotake</b>	31 December 2029		

## Outcome statement/Te tauāki ā-hua

<b>Strategic Purpose statement/ Te rautaki o te tohu</b>
<p>The purpose of this qualification is to provide the crane industry with individuals who may be employed for a range of tasks at a variety of worksites where cranes are operating.</p> <p>The qualification is stranded to recognise the differing requirements of the specialist areas.</p> <p>The crane industry, and the construction industry, will benefit from having people who can work safely with and around cranes through structured, recognised, and consistent training programmes.</p> <p>Graduates will be capable of working with limited supervision.</p>

<b>Graduate Profile/Ngā hua o te tohu</b>
<p><b>Graduates of this qualification will be able to:</b></p> <ol style="list-style-type: none"> <li>1. Identify health and safety requirements in lifting operations context.</li> <li>2. Identify rigging requirements and communication methods to sling regular loads.</li> </ol>

<p><b>Graduates of the Dogman strand will also be able to:</b></p> <ol style="list-style-type: none"> <li>1. Apply knowledge of risk management, slinging calculations, and industry recognised communication methods to sling regular loads and direct and guide crane movements for lifting operations.</li> </ol> <p><b>Graduates of the Pendant or remote controlled overhead / Gantry Crane strand will also be able to:</b></p> <ol style="list-style-type: none"> <li>1. Plan for, configure, and move regular loads with a pendant or remote-controlled overhead / gantry crane.</li> </ol> <p><b>Graduates of the Self-Erecting Tower Crane strand will also be able to:</b></p> <ol style="list-style-type: none"> <li>1. Plan for, configure, and move regular loads with a self-erecting tower crane.</li> </ol> <p><b>Graduates of the Truck Loader Crane strand will also be able to:</b></p> <ol style="list-style-type: none"> <li>1. Plan for, configure, and move regular loads with a truck loader crane.</li> </ol>
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<p><b>Education Pathway/ Ngā huarahi mātauranga</b></p>
<p>This qualification is the entry point into the training pathway for the cranes industry and the broader lifting engineering sector.</p> <p>Graduates of any of the strands may progress onto the New Zealand Certificate in Cranes (Level 4) with strands in Advanced Dogman, Crawler Crane, Mini Crane, Mobile Crane, Non-Slewing Articulated Crane, Tower Crane [Ref: 3731].</p>

<p><b>Employment, Cultural, Community Pathway/ Ko ngā huarahi ā-mahi, ā-ahurea, ā-whānau, ā-hapū, ā-iwi, ā-hapori anō hoki</b></p>
<p>Graduates of the Dogman strand will have the skills and knowledge to work, or gain employment where cranes are operating in areas such as the building industry, heavy construction industry, marine environments, and on high rise building sites.</p> <p>Graduates of the Pendant or remote controlled overhead / Gantry Crane, Self-Erecting Tower Crane, or Truck Loader Crane strands will have the skills and knowledge required to work with specific cranes within their setting.</p>

## Qualification Specifications/ Ngā tauwhāititanga o te tohu

<p><b>Qualification Award/ Te whakawhiwhinga o te tohu</b></p>	<p>This qualification can be awarded by any education organisation with an approved programme or accreditation to deliver an approved programme leading to the qualification.</p>
<p><b>Evidence requirements for assuring consistency/ Ngā taunaki hei whakaū i te tauritenga</b></p>	<p>Evidence may include analysis of the following:</p> <ul style="list-style-type: none"> <li>• Programme statistics such as completion data and destination data.</li> <li>• Surveys of graduates and feedback from other end users to determinate that graduates have met the graduate profile outcomes of the qualification.</li> <li>• Evidence from external moderation processes.</li> </ul>

<p>Minimum standard of achievement and standards for grade endorsements/ Te pae o raro e tutuki ai, ngā paerewa hoki hei whakaatu i te taumata o te whakatutukinga</p>	<p>Achieved.</p>
<p>Other requirements for the qualification (including regulatory body or legislative requirements)/ Kō ētahi atu here o te tohu (tae atu hoki ki ngā here ā-hinonga whakamarumarū, ki ngā here ā-ture rānei)</p>	<p>None.</p>
<p>General conditions for programme/ Ngā tikanga whānui o te hōtaka</p>	<p>Programmes must use mandatory skill standards in the Conditions relating to the graduate profile below. The programme guidance is available at <a href="mailto:qualifications@waihanga.govt.nz">qualifications@waihanga.govt.nz</a>.</p> <p>All learning and assessment in a programme leading to this qualification must be carried out in accordance with:</p> <ul style="list-style-type: none"> <li>• Health and Safety at Work Act 2015,</li> <li>• Health and Safety (Worker Engagement, Participation, and Representation) Regulations 2016; and</li> <li>• Other Government and local government legislation, regulations, bylaws, and their subsequent amendments.</li> </ul> <p>Current legislation and regulations can be accessed at: <a href="http://legislation.govt.nz">http://legislation.govt.nz</a>.</p> <p>The current version of the Crane Safety Manual for Crane Operators and Dogman (Version 4 or higher) and its subsequent amendments, available from Crane Association New Zealand Ltd at <a href="http://www.cranes.org.nz">www.cranes.org.nz</a>.</p> <p>Current Approved Codes of Practice for cranes can be accessed at: <a href="http://www.worksafe.govt.nz">www.worksafe.govt.nz</a>.</p> <p>Current AS/NZS standards can be accessed at <a href="http://standards.govt.nz">http://standards.govt.nz</a>.</p> <ul style="list-style-type: none"> <li>• Equipment manufacturer operating instructions</li> <li>• Company quality management systems.</li> </ul> <p>Programmes must ensure assessment is carried out in a crane workplace or other non-simulated environment. Non-simulated environment means working with the skill sets required in authentic experiences within an organisational context, with commercial competence and the expectations and possible consequences of that context.</p> <p>The context must include but is not limited to:</p> <ul style="list-style-type: none"> <li>• the candidate's workplace</li> <li>• a construction or industrial site.</li> </ul>

	<p>Programmes must reflect industry best practice.</p> <p>Programme developers are advised to refer to the Workforce Development Council Programme Endorsement considerations:</p> <ul style="list-style-type: none"> <li>• Programme content</li> <li>• Equity for learners</li> <li>• Programme engagement and consultation</li> <li>• Te ao Māori</li> <li>• Pacific languages and learners</li> <li>• Disabled people</li> </ul> <p>Supporting information for programme developers on programme endorsement is available at <a href="http://www.waihangaararau.nz">www.waihangaararau.nz</a>.</p>
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**Conditions relating to the Graduate Profile /Ngā tikanga e hāngai ana ki nga hua o te tohu**

Qualification outcomes/ Ngā hua		Credits/Ngā whiwhinga	Conditions/Ngā tikanga
1.	Identify health and safety requirements in a lifting operations context.	15	Skill standard Crane 1 <i>Recognise health and safety requirements for lifting operations</i> (Level 3) (credits 15)
2.	Identify rigging requirements and use communication methods to sling regular loads.	10	Skill standard Crane 2 <i>Apply knowledge of slinging and communication to a lifting operations context</i> (Level 3) (credits 10)
<b>Elective Strand - Dogman</b>			
3.	Apply knowledge of risk management, slinging calculations, and industry recognised communication methods to sling regular loads and direct and guide crane movements for lifting operations.	20	Skill standard Crane 3 <i>Sling varied regular loads and direct a crane during lifting operations</i> (Level 3) (credits 20)
<b>Elective Strand – Pendant or remote controlled Overhead / Gantry Crane</b>			
4.	Plan for, configure, and move regular loads with a pendant or remote-controlled overhead / gantry crane.	15	Skill standard Crane 5 <i>Operate a pendant or remote controlled overhead / gantry crane</i> (Level 3) (credits 15)
<b>Elective Strand - Self-Erecting Tower Crane</b>			
5.	Plan for, configure, and move regular loads with a self-erecting tower crane.	15	Skill standard Crane 6 <i>Operate a self-erecting tower crane to lift and place regular loads</i> (Level 3) (credits 15)

Elective Strand - <b>Truck Loader Crane</b>			
6.	Plan for, configure, and move regular loads with a truck loader crane.	20	Skill standard Crane 7 <i>Operate a truck loader crane to lift and place regular loads</i> (Level 3) (credits 20)

## Transition information/ He kōrero whakawhiti

<b>Replacement information/ He kōrero mō te whakakapi</b>	This qualification replaces the New Zealand Certificate in Cranes (Level 3) with strands in Cab-Controlled Overhead Crane, Dogman, Pendant-Controlled Overhead Crane, Self-Erecting Tower Crane, and Truck Loader Crane. [Ref 3730 – 2]
<b>Additional transition information/ Kō ētahi atu kōrero mō te whakakapi</b>	<p><b>Version Information:</b></p> <p>Version 3 of this qualification was published in xxxx 2024. Please refer to <a href="#">Qualifications and Assessment Standards Approvals</a> for further information.</p> <p>The last date for assessment of programmes leading to version 2 of this qualification is 31 December 2026.</p> <p>It is recommended that people currently working toward version 2 of this qualification and who are unable to complete the requirements by 31 December 2026 may transfer their existing achievement to version 3.</p> <p>It is not intended anyone be disadvantaged by these transition arrangements. However, anyone who considers they have been disadvantaged can appeal to the qualification developer:</p> <p>Waihanga Ara Rau Construction and Infrastructure Workforce Development Council  PO Box 445  Wellington 6140  Email: <a href="mailto:qualifications@waihangaarau.nz">qualifications@waihangaarau.nz</a>  Website: <a href="http://www.waihanga.nz">www.waihanga.nz</a></p>